



UNITED STATES  
PATENT AND  
TRADEMARK OFFICE

DECEMBER 10, 2001



PTAS

HONEYWELL INTERNATIONAL INC.

PAUL L. MARSHALL  
1746 THUNDERBIRD ROAD  
TROY, MI 48084

Under Secretary of Commerce For Intellectual Property and  
Director of the United States Patent and Trademark Office  
Washington, DC 20231  
[www.uspto.gov](http://www.uspto.gov)

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JUL 16 2003  
TC 1700



\*101868168A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF  
THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS  
AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER  
REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE  
INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA  
PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD  
FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY  
CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723.  
PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE,  
ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY,  
SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 10/01/2001

REEL/FRAME: 012223/0032  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
ROHRBACH, RONALD P.

DOC DATE: 08/27/2001

ASSIGNOR:  
JONES, GORDON W.

DOC DATE: 09/10/2001

ASSIGNOR:  
UNGER, PETER D.

DOC DATE: 08/27/2001

ASSIGNOR:  
BAUSE, DANIEL

DOC DATE: 08/27/2001

ASSIGNEE:  
HONEYWELL INTERNATIONAL INC.  
101 COLUMBIA ROAD  
MORRISTOWN, NEW JERSEY 07962

FILING DATE: 05/30/2001  
ISSUE DATE:

SERIAL NUMBER: 09867973  
PATENT NUMBER:

012223/0032 PAGE 2

MARY BENTON, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS



**ASSIGNMENT**

Assignment before issue of Letters Patent

Honeywell **H0001202**  
File

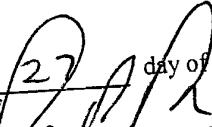
WHEREAS, **Ronald P. Rohrbach, Gordon W. Jones, Peter D. Unger and Daniel Bause** (hereinafter "Assignor") has invented certain new and useful improvements in **STAGED OIL FILTER INCORPORATING ADDITIVE-RELEASING PARTICLES** (hereinafter "invention") for which Assignor is making or has made application for LETTERS PATENT OF THE UNITED STATES, which application has been duly executed by Assignor on the day(s) and date(s) of these presents, including any United States provisional patent application(s) identified as follows, of which the subject application claims priority: Serial Number 09/867,973, filed May 30, 2001

AND WHEREAS, Honeywell International Inc., a corporation organized and existing under the laws of the State of Delaware, U.S.A., having a place of business at 101 Columbia Road, Morris Township, Morris County, New Jersey, U.S.A., hereinafter called the Assignee, is desirous of acquiring the entire right, title and interest in and to said invention within the United States of America and its territorial possessions and all foreign countries and any United States or foreign LETTERS PATENT that may be granted therefor.

NOW, THIS INDENTURE WITNESSETH, that for good and valuable considerations, the receipt whereof is hereby acknowledged, Assignor has assigned, sold and transferred, and does hereby assign, sell and transfer to the said Assignee the entire right, title and interest in and to the said invention, within the United States of America and its territorial possessions and all foreign countries and in and to any LETTERS PATENT of the United States and foreign countries, including utility models, inventor's certificates and like government grants, and all divisions, reissues, continuations and extensions thereof that may be granted therefor, and the right to apply for LETTERS PATENT in foreign countries with full benefit of such priorities as may now or hereafter be granted to Assignor by local laws or by treaty, including any international convention, for the protection of industrial property, together with the right to extend the protection of said U.S. LETTERS PATENT to the various territorial possessions now owned or which may be hereafter acquired by the United States of America, all said rights to be held and enjoyed by the Assignee for its own use and benefit, and for the use and benefit of its successors or assigns, to the full end of the term for which said LETTERS PATENT may be granted, as fully and entirely as the same would have been held and enjoyed by Assignor if this assignment and sale had not been made. And Assignor does hereby request and authorize the Commissioner of Patents and Trademarks, U.S.A., to issue said U.S. LETTERS PATENT, when granted, in accordance with this assignment.

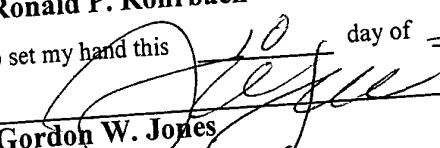
Assignor further covenants and agrees with the Assignee that Assignor has a full and unencumbered title to the invention hereby assigned, which title Assignor warrants unto the Assignee, and Assignor further agrees that Assignor will, without demanding any further consideration therefor, at the request but at the expense of the Assignee, do all lawful and just acts, including the execution and acknowledgment of instruments, that may be or become necessary for obtaining, sustaining, extending, reissuing or reexamining United States and foreign LETTERS PATENT or the like for the said invention, and for maintaining and perfecting the Assignee's right to said invention and LETTERS PATENT particularly in cases of interference, conflict, opposition and litigation.

IN TESTIMONY WHEREOF, I have hereunto set my hand this

 day of August, 20 01

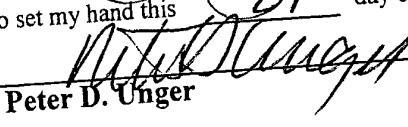
**Ronald P. Rohrbach**

IN TESTIMONY WHEREOF, I have hereunto set my hand this

 day of September, 20 01

**Gordon W. Jones**

IN TESTIMONY WHEREOF, I have hereunto set my hand this

 day of Aug, 20 01

**Peter D. Unger**

IN TESTIMONY WHEREOF, I have hereunto set my hand this 27 day of August, 2001

Daniel Bause

C-182 (6/87)

STATE OF New Jersey )  
COUNTY OF Essex ) ss.:

On this 27 day of August, 2001

before me personally appeared

Ronald P. Rohrbach

to me known and known to me to be the individual \_\_\_\_\_ described in and who executed the foregoing instrument,  
and \_\_\_\_\_ he \_\_\_\_\_ acknowledged to me that \_\_\_\_\_ he \_\_\_\_\_ executed the same.

[SEAL]

*Lynn Griff*

**LYNN GRIFFIN**  
NOTARY PUBLIC OF NEW JERSEY  
Commission Expires 9/30/2004

Notary Public

My commission expires:

STATE OF Ohio )  
COUNTY OF Wood ) ss.:

On this 10th day of Sept.

, 20 01

before me personally appeared

Gordon W. Jones

to me known and known to me to be the individual \_\_\_\_\_ described in and who executed the foregoing instrument,  
and \_\_\_\_\_ he \_\_\_\_\_ acknowledged to me that \_\_\_\_\_ he \_\_\_\_\_ executed the same.

[SEAL]

*Lisa K. Linear*

**LISA K. LINEAR**  
Notary Public — State of Ohio  
My Commission Expires 11-14-04  
Notary Public

My commission expires: 11/14/04

STATE OF New Jersey )  
COUNTY OF Essex ) ss.:

On this 27 day of August

, 20 01

before me personally appeared

Peter D. Unger

to me known and known to me to be the individual \_\_\_\_\_ described in and who executed the foregoing instrument,  
and \_\_\_\_\_ he \_\_\_\_\_ acknowledged to me that \_\_\_\_\_ he \_\_\_\_\_ executed the same.

[SEAL]

*Lynn Griff*

**LYNN GRIFFIN**  
NOTARY PUBLIC OF NEW JERSEY  
Commission Expires 9/30/2004

Notary Public

My commission expires:

STATE OF New Jersey )  
COUNTY OF Essex ) ss.:

On this 27 day of August

, 20 01

before me personally appeared

Daniel Bause

to me known and known to me to be the individual \_\_\_\_\_ described in and who executed the foregoing instrument,  
and \_\_\_\_\_ he \_\_\_\_\_ acknowledged to me that \_\_\_\_\_ he \_\_\_\_\_ executed the same.

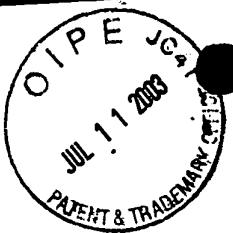
[SEAL]

*Lynn Griff*

**LYNN GRIFFIN**  
NOTARY PUBLIC OF NEW JERSEY  
Commission Expires 9/30/2004

Notary Public

My commission expires:



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

JULY 25, 2000

PTAS

HONEYWELL INTERNATIONAL INC.  
PAUL L. MARSHALL  
1746 THUNDERBIRD ROAD  
TROY, MI 48084

\*101367264A\*



UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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RECORDATION DATE: 05/08/2000

REEL/FRAME: 010809/0860  
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
ROHRBACH, R.

DOC DATE: 03/30/2000

ASSIGNOR:  
JONES, G.

DOC DATE: 05/02/2000

ASSIGNOR:  
UNGER, P.

DOC DATE: 03/30/2000

ASSIGNOR:  
BAUSE, D.

DOC DATE: 03/30/2000

ASSIGNOR:  
XUE, L.

DOC DATE: 03/23/2000

ASSIGNOR:  
DONDERO, R.

DOC DATE: 04/12/2000

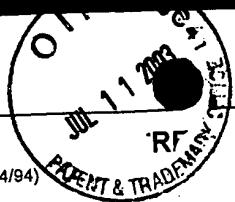
R.S. ✓

ASSIGNEE:  
HONEYWELL INTERNATIONAL INC.  
101 COLUMBIA ROAD  
P.O. BOX 2245  
MORRISTOWN, NEW JERSEY 07962

SERIAL NUMBER: 09566035  
PATENT NUMBER:

FILING DATE: 05/08/2000  
ISSUE DATE:

TONYA LEE, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS



05-25-2000



To the Honorable Commissioner of P

101367264

ET U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

shed original documents or copy thereof.

1. Name of conveying parties:

R. Rohrbach, G. Jones, P. Unger, D. Bause, L. Xue  
and R. Dondero

58-60

Additional name(s) & party(ies) attached?  Yes  No

3. Nature of conveyance:

Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_

Execution Date: 3-23-00, 3-30-00, 4-21-00  
& 5-2-00

Name: Honeywell International Inc.

Internal Address: \_\_\_\_\_

Street Address: \_\_\_\_\_

101 Columbia Road, P.O. Box 2245

City: Morristown State: NJ Zip: 07962

Additional name(s) & address(es)  
attached?

Yes  No

4. Application number(s) or patent number(s): \_\_\_\_\_

If this document is being filed together with a new application, the execution date of the application  
is:

3-23-00, 3-30-00,  
4-21-00 & 5-2-00

Patent Application No.(s)

69566035

B. Patent No.(s)

Additional numbers attached?

Yes  No

5. Name and address of party to whom correspondence  
concerning document should be mailed:

Name: Paul L. Marshall

Internal Address: \_\_\_\_\_

Street Address: Honeywell International Inc.

1746 Thunderbird Road

City: Troy State: MI Zip: 48084

05/24/2000 DNGUYEN 00000168 011125 09566035

6. Total number of applications and patents  
involved:

1

7. Total fee (37 CFR 3.41) .....\$ 40.00

Enclosed

Authorized to be charged to deposit account

8. Deposit account number:

01-1125

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a  
true copy of the original document.

Paul L. Marshall

Name of Person Signing

Signature

May 8, 2000

Date

Total number of pages including cover sheet, attachments, and document:

3

100-0904566035  
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U.S. PATENT & TRADEMARK OFFICE  
101 Columbia Road, P.O. Box 2245  
Morristown, NJ 07962

# ASSIGNMENT

Assignment before issue of Letters Patent

Honeywell 780-97-022  
File \_\_\_\_\_

WHEREAS,

(hereinafter "Assignor") have invented certain new and useful improvements in  
**MULTI-STAGE FLUID FILTER, AND METHODS OF MAKING AND USING SAME**  
(hereinafter "invention") for which Assignor is making or has made application for LETTERS PATENT OF  
THE UNITED STATES, which application has been duly executed by Assignor on  
the day(s) and date(s) of these presents, including any United States provisional patent application(s) identified as follows,  
of which the subject application claims priority: Serial Number \_\_\_\_\_, filed \_\_\_\_\_

AND WHEREAS, Honeywell International Inc., a corporation organized and existing under the laws of the State  
of Delaware, U.S.A., having a place of business at 101 Columbia Road, Morris Township, Morris County, New Jersey,  
U.S.A., hereinafter called the Assignee, is desirous of acquiring the entire right, title and interest in and to said invention  
within the United States of America and its territorial possessions and all foreign countries and any United States or foreign  
LETTERS PATENT that may be granted therefor.

NOW, THIS INDENTURE WITNESSETH, that for good and valuable considerations, the receipt whereof is  
hereby acknowledged, Assignor has assigned, sold and transferred, and does hereby assign, sell and transfer to the said  
Assignee the entire right, title and interest in and to the said invention, within the United States of America and its  
territorial possessions and all foreign countries and in and to any LETTERS PATENT of the United States and foreign  
countries, including utility models, inventor's certificates and like government grants, and all divisions, reissues,  
continuations and extensions thereof that may be granted therefor, and the right to apply for LETTERS PATENT in foreign  
countries with full benefit of such priorities as may now or hereafter be granted to Assignor by local laws or by treaty,  
including any international convention, for the protection of industrial property, together with the right to extend the  
protection of said U.S. LETTERS PATENT to the various territorial possessions now owned or which may be hereafter  
acquired by the United States of America, all said rights to be held and enjoyed by the Assignee for its own use and  
benefit, and for the use and benefit of its successors or assigns, to the full end of the term for which said LETTERS  
PATENT may be granted, as fully and entirely as the same would have been held and enjoyed by Assignor if this  
assignment and sale had not been made. And Assignor does hereby request and authorize the Commissioner of Patents and  
Trademarks, U.S.A., to issue said U.S. LETTERS PATENT, when granted, in accordance with this assignment.

Assignor further covenants and agrees with the Assignee that Assignor has a full and unencumbered title to the  
invention hereby assigned, which title Assignor warrants unto the Assignee, and Assignor further agrees that Assignor will,  
without demanding any further consideration therefor, at the request but at the expense of the Assignee, do all lawful and  
just acts, including the execution and acknowledgment of instruments, that may be or become necessary for obtaining,  
sustaining, extending, reissuing or reexamining United States and foreign LETTERS PATENT or the like for the said  
invention, and for maintaining and perfecting the Assignee's right to said invention and LETTERS PATENT particularly  
in cases of interference, conflict, opposition and litigation.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 30<sup>th</sup> day of March, 19 2000

IN TESTIMONY WHEREOF, I have hereunto set my hand this 2<sup>nd</sup> day of May, 19 2000

IN TESTIMONY WHEREOF, I have hereunto set my hand this 22 day of May, 19 2000

IN TESTIMONY WHEREOF, I have hereunto set my hand this 30 day of March, 19 2000

Jeff E. Zeman

IN TESTIMONY WHEREOF, I have hereunto set my hand this 23rd day of March, 19 2000

John D. Zeman

IN TESTIMONY WHEREOF, I have hereunto set my hand this 12 day of April, 19 2000

Russell F. Danek

STATE OF New Jersey )  
COUNTY OF Essex ) ss.:

LYNN GRIFFIN  
NOTARY PUBLIC OF NEW JERSEY  
Commission Expires 8/30/2004

On this 30 day of March, 192000 before me personally appeared

Ronald P. Rohrbach

to me known and known to me to be the individual \_\_\_\_\_ described in and who executed the foregoing instrument,  
and \_\_\_\_\_ he \_\_\_\_\_ Acknowledged to me that \_\_\_\_\_ he \_\_\_\_\_ executed the same.

[SEAL]

Lynn Griff

Notary Public

My commission expires:

STATE OF Ohio )  
COUNTY OF Wood ) ss.:

On this 2nd day of May, 192000 before me personally appeared

Gordon W. Jones

to me known and known to me to be the individual \_\_\_\_\_ described in and who executed the foregoing instrument,  
and \_\_\_\_\_ he \_\_\_\_\_ Acknowledged to me that \_\_\_\_\_ he \_\_\_\_\_ executed the same.

[SEAL]

Lisa K. Linear

LISA K. LINEAR  
Notary Public — State of Ohio  
My Commission Expires 11-14-04  
Notary Public

My commission expires: 11-14-04

STATE OF New Jersey )  
COUNTY OF Essex ) ss.:

LYNN GRIFFIN  
NOTARY PUBLIC OF NEW JERSEY  
Commission Expires 8/30/2004  
My Commission Expires 8/30/2004

On this 30 day of March, 192000 before me personally appeared

Peter D. Unger

to me known and known to me to be the individual \_\_\_\_\_ described in and who executed the foregoing instrument,  
and \_\_\_\_\_ he \_\_\_\_\_ Acknowledged to me that \_\_\_\_\_ he \_\_\_\_\_ executed the same.

[SEAL]

Lynn Griff

Notary Public

My commission expires:

STATE OF New Jersey )  
COUNTY OF Essex ) ss.:

LYNN GRIFFIN  
NOTARY PUBLIC OF NEW JERSEY  
Commission Expires 8/30/2004

On this 30 day of March, 192000 before me personally appeared

Daniel E. Bause

to me known and known to me to be the individual \_\_\_\_\_ described in and who executed the foregoing instrument,  
and \_\_\_\_\_ he \_\_\_\_\_ acknowledged to me that \_\_\_\_\_ he \_\_\_\_\_ executed the same.

[SEAL]

Lynn Griff

Notary Public

My commission expires:

STATE OF Virginia )  
COUNTY OF Chesterfield )  
ss.:

On this 23rd day of March, <sup>19</sup>2000 before me personally appeared

Lixin L. Xue

to me known and known to me to be the individual \_\_\_\_\_ described in and who executed the foregoing instrument,  
and \_\_\_\_\_ he \_\_\_\_\_ acknowledged to me that \_\_\_\_\_ he \_\_\_\_\_ executed the same.

[SEAL]

Margaret S. Gilbert

Notary Public

My commission expires: May 31, 2000

STATE OF Georgia )  
COUNTY OF Douglas )  
ss.:

On this 12th day of Apr. 1, <sup>19</sup>2000 before me personally appeared

Russell A. Dondero

to me known and known to me to be the individual \_\_\_\_\_ described in and who executed the foregoing instrument,  
and \_\_\_\_\_ he \_\_\_\_\_ acknowledged to me that \_\_\_\_\_ he \_\_\_\_\_ executed the same.

[SEAL]

Kathy A. Wright

Notary Public

My commission expires: 4-12-2003

